

MINE COUNTER MEASURES

Develop technologies for critical MAGTF Mine Countermeasures needs to make sea and land MCM an integrated, seamless, and fully integral component of Expeditionary Maneuver Warfare. Focus areas include landmine detection, breaching / neutralization of all mine types and enhanced survivability

RECENT TRANSITIONS

ONR BRACH TO OBJECTIVE
MCM STUDY

TRANSITIONED TO MCCDC / MCSC

MAGNETIC SIGNATURE
DUPLICATION TEST REPORT

TRANSITIONED TO MCCDC / MCSC

FOCUS AREA

DETECTION / CLASSIFICATION

MCM STO-1: Mine detection from the surf zone to the high-water mark and inland

MCM STO-2: IED detection technology

C2 STO-4: Improved situational awareness for warfighters at all echelons

NEUTRALIZATION

MCM STO-3: Mine and IED neutralization

SURVIVABILITY Vehicle and Aircraft

FP STO-3: Incorporation of improved materials for future vehicles and aircraft that provide improved levels of protection at reduced weight and volume

PROJECT

RF DETECTION
OF IEDS (D&I)

JOINT ENGINEER
APPLICATION (FNC)

ADVANCED MINE
DETECTOR (Plus-Up)

GPR ALGORITHM
DEVELOPMENT (D&I)

NEUTRALIZATION
TECHNOLOGY
ROADMAPPING (D&I)

SMART MINE SENSORS
OUNTERMEASURE
TECHNOLOGY (E&D)

SELF EXTRACTOR /
BREACHER (E&D)

THREAT MINE
EXPLOITATION (E&D)

SCALEABLE SHAPE
CHARGE MUNITIONS (E&D)

RADIO FREQ/DIRECTED
ENERGY (RF/DE) FOR
NEUTRALIZATION OF
MINES/IEDS (D&I)

LANDMINE
COUNTERMEASURES &
BREACHING MINE
CLEARING LINE CHARGE
(FNC)

M&S TOOLS FOR MINE
BLAST MODELING (D&I)

MINE SURVIVABLE
TESTBED VEHICLE (D&I)